

2013 UDOT RESEARCH PROBLEM STATEMENT

*** *Problem statement deadline is March 25, 2013. Submit statements to Steve Bagley at sbagley@utah.gov* ***

Problem Title: Asset Management 5 Year Plan

No. UT-13.06.02

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UDOT Champion (suggested): Stan Burns

Select a Subject Area

☐ Materials/Pavements

☐ Maintenance

☐ Traffic Mgmt/Safety

☐ Geotechnical

☐ Preconstruction

☒ Planning/Asset Mgmt

☐ Transportation Innovation

1. Describe the problem to be addressed.

UDOT has a robust asset management program. The program includes state of the art data collection, pavement and bridge optimization analysis programs. Development of Asset Management at UDOT up to this time has been guided by the 2002 Gap Analysis and by the quarterly Transmat Steering Committee chaired by the Deputy Director.

In order to build on past success the division should develop new 5 year plan. The roadmap should determine the state of the practice; develop a strategic direction with values and goals. The road map would also include 3 and 5 year implementation plan with milestones and performance measures

2. Describe why this research is important and how it is unique.

The Department has approximately 30 billion dollars in assets. It has the responsibility maintain and extend the life of these assets at the lowest possible cost. Achieving the goal requires many different elements with just one being a long term strategic roadmap

3. List the research objective(s) to be accomplished:

1. Research the state of the practice, i.e. research other possible 5 year plans
2. Conduct interviews with industry, universities, and with both FHWA and UDOT
3. Conduct stakeholder meetings to help develop a 5 year plan
4. Consider conducting a second Gap Analysis with stakeholders
5. Establish a strategic direction
6. Develop and articulate core goals and values
7. Develop a plan for the next 3 and 5 years
8. Develop a realistic implementation plan with schedule.
9. Performance measures should be included with the roadmap

4. List the major tasks to accomplish the research objective(s):

1. See item # 3
- 2.
- 3.

5. List the deliverable(s) to come to UDOT from this research study:

1. See item # 3

6. Describe how the results of this study will be implemented at UDOT.

The purpose of the Plan is by its very nature to create a product that is implementable.

7. Estimated cost - Total: \$60K
management

UDOT Share: \$30K research

Other/Matching Funds: \$30K asset

8. Outline the proposed schedule for this study, including estimated start date, duration, and major event dates.

Interviews	Early summer 2013
Selection	Early summer 2013
Contract Scope	Mid summer 2013
Kickoff Meeting	Late summer 2013
Discovery Phase	Early autumn 2013
Round Table	
Discussion	Autumn 2013
Interviews	Autumn
Draft Report	Early Winter 2013
Final Report	Winter 2013

